

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application.

1. (Currently Amended) A shooting device, comprising:

a shooting unit which shoots an object, a position of the object being movable;

an expected shooting state storing unit which stores expected shooting state information which represents an expected position of the object;

a guide determining unit which determines how the object is to be guided to the expected position based on the expected shooting state information and an image shot by said shooting unit;

a guide instruction outputting unit which instructs how the object is to be guided to the expected position based on a result of the determination made by said guide determining unit; and

an image outputting unit which outputs the image shot by said shooting unit, wherein said guide determining unit determines whether the object should be moved close to said shooting unit or away from said shooting unit, by comparing a size of the object in the image shot by said shooting unit and a size of the object represented by the expected shooting state information, and

said guide instruction outputting unit outputs a guidance instruction for moving the object close to said shooting unit or moving the object away from said shooting unit, based on determination by said guide determining unit.

2. (Previously Presented) The shooting device according to claim 1, wherein:

said guide determining unit determines a direction where the object is to be guided.

3. (Withdrawn) The shooting device according to claim 1, wherein:

the expected shooting state information includes information which represents an expected posture of the object; and

said guide determining unit determines a rotation direction where the object is to be guided.

4. (Withdrawn) The shooting device according to claim 1, further comprising:

an object detecting unit which determines whether or not an image of an object to be shot is included in the image shot by said shooting unit;

an object image storing unit which stores the image shot by said shooting unit as an object image in a case where the image of the object is included; and

a background image storing unit which stores the image shot by said shooting unit as a background image in a case where the image of the object is not included, wherein

said image outputting unit extracts the image of the object based on the object image and the background image, and outputs the extracted image.

5. (Withdrawn) The shooting device according to claim 1, further comprising:

an object detecting unit which determines whether or not an image of an object to be shot is included in the image shot by said shooting unit;

an object image storing unit which stores the image shot by said shooting unit as an object image in a case where the image of the object is included; and

a background image storing unit which stores the image shot by said shooting unit as a background image in a case where the image of the object is not included, wherein

said image outputting unit outputs both the object image and the background image.

6. (Withdrawn) The shooting device according to claim 4, wherein

said guide determining unit guides the object in such a way that the image obtained by said shooting unit includes the object if the object image is not stored in said object image storing unit, and guides the object in such a way that the image obtained by said shooting unit does not include the object if the background image is not stored in said background image storing unit.

7. (Withdrawn) The shooting device according to claim 1, further comprising:

a measuring unit which measures a distance between said shooting unit and the object;

an object detecting unit which determines whether or not an image of an object to be shot is included in the image shot by said shooting unit based on a result of measurement made by said measuring unit;

an object image storing unit which stores the image shot by said shooting unit as an object image in a case where the image of the object is included; and

a background image storing unit which stores the image shot by said shooting unit as a background image in a case where the image of the object is not included, wherein

said image outputting unit extracts the image of the object based on the object image and the background image, and outputs the extracted image.

8. (Withdrawn) The shooting device according to claim 1, further comprising:

a measuring unit which measures a distance between said shooting unit and the object;

an object detecting unit which determines whether or not an image of an object to be shot is included in the image shot by said shooting unit based on a result of measurement made by said measuring unit;

an object image storing unit which stores the image shot by said shooting unit as an object image in a case where the image of the object is included; and

a background image storing unit which stores the image shot by said shooting unit as a background image in a case where the image of the object is not included, wherein

said image outputting unit outputs both the object image and the background image.

9. (Withdrawn) The shooting device according to claim 7, wherein

said guide determining unit guides the object in such a way that the image obtained by said shooting unit includes the object if the object image is not stored in said object image

storing unit, and guides the object in such a way that the image obtained by said shooting unit does not include the object if the background image is not stored in said background image storing unit.

10. (Original) The shooting device according to claim 1, wherein
said image outputting unit outputs the image shot by said shooting unit if said guide determining unit determines that the object is not required to be guided.

11. (Original) The shooting device according to claim 1, wherein:
the object possesses a certain pattern;
an amount of a pattern to be shot by said shooting unit is defined as the expected shooting state information; and

said guide determining unit determines that the object is not required to be guided, if the amount of the pattern, which is detected from the image of the object shot by said shooting unit, is larger than the amount of the pattern, which is defined as the expected shooting state information.

12. (Currently Amended) A The shooting device according to claim 1, further
comprising

~~a shooting unit which shoots an object in a particular color;~~

a detecting unit which detects a proportion of area of the image in a ~~the~~ particular color to a whole area of the ~~an~~ image shot by said shooting unit; wherein

said guide determining unit determines ~~a guide instruction outputting unit which instructs~~ a direction where the object is to be guided based on a result of detection made by said detecting unit; ~~and~~

~~an image outputting unit which outputs the image shot by said shooting unit.~~

13. (Withdrawn) A shooting device, comprising:

a shooting unit which shoots an object;

a measuring unit which measures a distance between said shooting unit and the object;

a guide instruction outputting unit which instructs a direction where the object is to be guided based on a result of measurement made by said measuring unit; and

an image outputting unit which outputs the image shot by said shooting unit.

14. (Withdrawn) A shooting device, comprising:

a camera which obtains image data;

an expected shooting state storing unit which stores expected shooting state information which represents an expected shooting state in a case where a background image is shot with said camera;

a guide determining unit which determines a direction or an angle, in or at which said camera is to be guided, based on the expected shooting state information and an image shot by said camera; and

a guide instruction outputting unit which instructs a direction or an angle, in or at which said camera is to be guided, based on a result of determination made by said guide determining unit.

15. (Withdrawn) The shooting device according to claim 14, further comprising
a moving unit which moves said camera in accordance with an instruction output from said guide instruction outputting unit.

16. (Original) The shooting device according to claim 1, wherein
said guide instruction outputting unit comprises a display unit, and displays a character string corresponding to the result of the determination made by said guide determining unit, on said display unit.

17. (Original) The shooting device according to claim 1, wherein
said guide instruction outputting unit comprises a display unit, and displays a graphic or a symbol corresponding to the result of the determination made by said guide determining unit, on said display unit.

18. (Original) The shooting device according to claim 1, wherein
said guide instruction outputting unit outputs voice guidance corresponding to the result
of the determination made by said guide determining unit.

19. (Original) The shooting device according to claim 1, wherein
said guide instruction outputting unit generates stereophonic sound corresponding to the
result of the determination made by said guide determining unit.

20. (Currently Amended) A method guiding an object to be shot with a shooting device,
comprising:

shooting an object, a position of the object being movable, with a shooting device;
determining how the object is to be guided based on expected shooting state information
which represents an expected position of the object, and an image shot by the shooting device;
and

outputting a guide instruction of how the object is to be guided to the expected position
based on a result of the determination, wherein

whether the object should be moved close to the shooting unit or away from the shooting
unit is determined, by comparing a size of the object in the image shot by the shooting unit and a
size of the object represented by the expected shooting state information, and

a guidance instruction for moving the object close to the shooting unit or moving the
object away from the shooting unit is output, based on a comparing result.

21. (Currently Amended) A method of shooting an object with a shooting device, comprising:

a first step of shooting an object, a position of the object being movable, with a shooting device;

a second step of determining how the object is to be guided based on expected shooting state information which represents an expected position of the object, and an image shot by the shooting device;

a third step of outputting a guide instruction of how the object is to be guided to the expected position based on a result of the determination; and

a fourth step of repeating the first through the third steps until it is determined that the object is not required to be guided, wherein

whether the object should be moved close to the shooting unit or away from the shooting unit is determined, by comparing a size of the object in the image shot by the shooting unit and a size of the object represented by the expected shooting state information, in the second step and

a guidance instruction for moving the object close to the shooting unit or moving the object away from the shooting unit is output, based on a comparing result, in the third step.

22. (Currently Amended) A shooting device, comprising:

shooting means for shooting an object, a position of the object being movable;

storing means for storing expected shooting state information which represents an expected position of the object;

guide determining means for determining how the object is to be guided to the expected position based on the expected shooting state information and an image shot by said shooting means;

guide instruction outputting means for instructing how the object is to be guided to the expected position based on a result of the determination made by said guide determining means; and

image outputting means for outputting the image shot by said shooting means, wherein said guide determining means determines whether the object should be moved close to said shooting means or away from said shooting means, by comparing a size of the object in the image shot by said shooting means and a size of the object represented by the expected shooting state information, and

said guide instruction outputting means outputs a guidance instruction for moving the object close to said shooting means or moving the object away from said shooting means, based on determination by said guide determining means.